

# HEAVY DUTY FLEETS: RETROFITTED, REFUELED AND FUNDED FOR A CLEANER OHIO

*Presented by Ohio Environmental Council, Clean Fuels Ohio,  
U.S. EPA, Ohio EPA, & Ohio Department of Transportation*



## CONFERENCE PROGRAM

November 30, 2005,  
Ohio Department of Transportation

# WELCOME TO HEAVY DUTY FLEETS: RETROFITTED, REFUELED AND FUNDED FOR A CLEANER OHIO!

Dear Conference Attendee,

On behalf of our presenters and sponsors we'd like to welcome you to the Ohio Department of Transportation state headquarters. We hope you enjoy this conference and find it a productive learning and networking experience.

Transportation is the life blood of our economy, indeed even our society. Diesel-powered vehicles – whether big rigs hauling freight across the country, buses carrying children to school or workers to their jobs, off road equipment constructing a road or building – do most of the heavy lifting. Unfortunately, the pollutants that they emit pose a threat to the health of many throughout our state. These pollutants also contribute to our state's situation – in “non-attainment” with federal air quality standards.

Fortunately, there are solutions. The purpose of this day-long conference and equipment vendor exhibition is to provide basic information about a wide range of technologies that can help significantly curb emissions from heavy-duty vehicles and equipment – and explore funding mechanisms to help implement these technology solutions.

This conference is made possible through active collaboration of government, non-profit organizations and industry. The combined efforts of these presenters and sponsors demonstrate the strong partnerships and resources that can help bring about solutions to the challenge of cleaning up existing diesel vehicles and transitioning to new, cleaner fuels and technologies in the heavy-duty transportation sector.

Our primary goal for this day-long event is for you to gain a broad, general understanding of the technologies and funding opportunities available for heavy-duty vehicles. You will be equipped to more deeply explore options that make the most sense for your company or agency.

Please keep and use this program guide as a resource, not just for today, but as a tool for delving more deeply into these options. We've provided you with contact information for panel moderators, presenters, exhibitors, sponsors and attendees, along with overview information about various technologies and useful web site for further exploration and learning.

Thank you again for coming. We hope your experience is valuable. All of the conference presenters and sponsors look forward to working with you today and in the future.

Best regards,

The Conference Committee:

*Sam Spofforth, Clean Fuels Ohio*

*Tim Wald, ODOT*

*Jennifer Dunn, USEPA*

*Glenn Luksik, Ohio EPA*

*Staci Patney McLennan, Ohio Environmental Council*

*Julie Magee, USEPA*

*David Celebrezze, Ohio Environmental Council*

*Erika Wiggins, Clean Fuels Ohio*



THANKS TO OUR GENEROUS SPONSORS, WITHOUT WHOM  
THIS EVENT WOULD NOT BE POSSIBLE:



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## HELPFUL WEB LINKS:

*Ohio Air Quality Development Authority:* <http://www.ohioairquality.org/>  
*Ohio Department of Development:* <http://www.odod.state.oh.us/>  
*Ohio EPA Office of Environmental Education:* [www.epa.state.oh.us/oecf/](http://www.epa.state.oh.us/oecf/)  
*USEPA Clean Schoolbus Initiative:* [www.epa.gov/cleanschoolbus/](http://www.epa.gov/cleanschoolbus/)  
*Ohio Environmental Council:* [www.theoec.org/](http://www.theoec.org/)  
*Diesel Emissions Reduction Act:* [www.ucsusa.org/clean\\_vehicles/big\\_rig\\_cleanup/diesel-emissions-reduction-act.html](http://www.ucsusa.org/clean_vehicles/big_rig_cleanup/diesel-emissions-reduction-act.html)  
*Funding for Diesel Emissions Reduction:* [www.dieselnet.com/news/2005/06us.php](http://www.dieselnet.com/news/2005/06us.php)  
*US EPA's National Clean Diesel Campaign:* <http://www.epa.gov/cleandiesel/>  
*US EPA's Voluntary Diesel Retrofit Program, Verified Products:* <http://www.epa.gov/otaq/retrofit/retroverifiedlist.htm>  
*Clean Fuels Ohio:* [www.cleanfuelsohio.org](http://www.cleanfuelsohio.org)  
*DOE Clean Cities* (linked to Alternative Fuels Data Center): [www.ccities.doe.gov](http://www.ccities.doe.gov)  
*National Biodiesel Board:* [www.biodiesel.org](http://www.biodiesel.org)  
*Natural Gas Vehicle Coalition* (redesigned site available soon): [www.ngvc.org](http://www.ngvc.org)  
*Transportation Related Grants Database:* <http://yosemite.epa.gov/aa/grants.nsf>  
*USEPA Smartway Transportation Partnership:* [www.epa.gov/smartway](http://www.epa.gov/smartway)  
*California Air Resources Board's Rail Yard Emissions Reduction Program:* <http://www.arb.ca.gov/railyard/railyard.htm>

# CONFERENCE AGENDA

7:30 am *Registration and Continental Breakfast*

8:15 am *Opening Plenary*

Welcome: *Gordon Proctor, Director, Ohio Department of Transportation*

Program Overview: *Sam Spofforth, Executive Director, Clean Fuels Ohio*

*Ohio's Air Quality Challenge: Meeting the Diesel Challenge*

*Joe Koncelik, Director, Ohio Environmental Protection Agency*

During out panel discussions, please write questions for the panelists on the appropriate color card (indicated by the boxes below) and pass them to a Committee Member. Moderators will pose the questions to the panelists at the end of the session.

8:45 am *Panel 1 – Diesel Retrofits*

The diesel retrofit panel will highlight the technologies and fuels available to reduce emissions from heavy duty diesel engines. A general overview of retrofit controls by US EPA will be followed by a more detailed discussion of the implementation of ultra low sulfur diesel fuel standard. Three end-users will then provide first hand accounts of retrofit and refueling projects occurring with two school bus fleets in Ohio and the land-based equipment at the Port of Cleveland.

Moderator: *Staci Putney McLennan, Director of Clean Air Programs,  
Ohio Environmental Council*

Overview of Diesel Retrofit Control Technologies and Clean Diesel: *Frank Acevedo, Mobile Source Expert,  
US EPA*

Ultra Low Sulfur Diesel: *Bob Schaefer, BP*

School Bus Retrofit Project: *Mike Bowers, Assistant Fleet Maintenance Manager & Clean Air Program Manager,  
Cleveland Municipal School District*

Clean Buses for Kids Retrofit and Refueling Project: *Shawn Dawson, Fleet Manager, Westerville City Schools*

10:30 am *Break, Visit Exhibition and Vehicle Display*

10:45 am *Panel 2 – Alternative/Clean Fuels for Heavy Duty Vehicles*

This panel will provide an overview of cleaner alternative, or American, fuels and vehicles, along with insights from fleet personnel and individuals who have real operating experience with specific fuels. Comparative life cycle costs, particularly between natural gas and diesel, also will be covered.

Moderator: *Sam Spofforth, Executive Director, Clean Fuels Ohio*

Overview of Cleaner Alternative Fuels: *Sam Spofforth, Executive Director, Clean Fuels Ohio*

Use of Biodiesel in the University of Toledo Bus Fleet: *Mike Young, Director of Transportation, University of Toledo*

Modern CNG vs. Diesel Engine Life Cycle Cost Comparisons: *David Lynch, Regional Sales and  
Marketing Manager, Cummins-Westport*

Use of CNG in Large Trucks by Small Liquid Cargo Firm: *Clayton King, President, Royalty Enterprises*



12:00 pm **Keynote Presentation: Key Elements of the Clean Air Act and the Importance of Voluntary Programs**  
*Cheryl Newton, Deputy Director, Air and Radiation Division, Region 5 US EPA*

Cheryl L. Newton is the Deputy Director of the Air and Radiation Division of the United States Environmental Protection Agency, Region 5 in Chicago, Illinois, a position she was appointed to in May 1999. Ms. Newton has served in a variety of positions in the Air and Radiation Division since 1988, beginning her career as an environmental protection specialist working on mobile source programs, leading Region 5's Title V and permitting programs and, serving two details as Acting Division Director. Ms. Newton is a 1985 graduate of Bradley University in Peoria, Illinois, where she received a Bachelor of Science degree in Environmental Science and Biology. Ms. Newton resides in Crown Point, Indiana.

12:20 pm **Lunch, Visit Exhibition**

1:15 pm **Panel 3 – SmartWay Transport Partnership and Idle Reduction Technologies for Trucks and Locomotives**

This panel discussion will include: Overview of EPA's voluntary SmartWay Transport Partnership; Idle-reduction and fuel saving technologies for heavy duty trucks and locomotives; Good Corporate Business Practices from SmartWay carriers.

Moderator: *Julie Magee, Environmental Protection Specialist, U.S. EPA*

SmartWay Transport Partnership: *Paul Bubbosh, National Idle Reduction Program Manager, US EPA*

Smartway Carrier Experience: *Mark Hagedorn, Styline Transportation*

Idle Reduction Options for Locomotives; Chicago Pilot Project: *Frank Acevedo, Mobile Source Expert, US EPA*

2:15 pm **Break, Visit Exhibition**

2:45 pm **Mid-Ohio Diesel Emissions Project: Identifying Emission Controls Strategies through Collaboration**  
*David Abel, Program Coordinator, Mid-Ohio Regional Planning Commission Air Quality Program*

3:00 pm **Panel 4 – Funding Opportunities**

With all the recent attention on reducing diesel emissions, the same question keeps being asked; "Who is going to pay for this?". This panel will try to address some of these concerns. Money is available from a variety of sources from federal and state agencies to assist in lowering the cost of cutting emissions.

Moderator: *Glenn Luksik, Ohio Environmental Protection Agency*

Revolving Loan Funds in Ohio: *Mark Shanahan, Executive Director, Ohio Air Quality Development Authority*

Ohio School Bus Program: *Carolyn Watkins, Chief, Office of Environmental Education, Ohio EPA*

Congestion Mitigation and Air Quality Funding (CMAQ): *Frank Burkett, Air Quality Specialist, Ohio Division Federal Highway Administration*

Diesel Emission Reduction Act: *Staci Putney McLennan, Director of Clean Air Programs, Ohio Environmental Council*

4:30 pm **Closing Remarks  
Exhibition**

# SPEAKER INFORMATION

## David Abel

Mid-Ohio Regional Planning Commission  
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## Francisco J. Acevedo

Environmental Protection Specialist,  
US EPA Region 5  
77 W. Jackson Blvd.  
Chicago, IL 60604  
“Frank” Acevedo is an Environmental Protection Specialist with the United States Environmental Protection Agency’s Region 5 office which serves the states of Illinois, Indiana, Ohio, Michigan, Minnesota, and Wisconsin. Frank serves as the Mobile Source Air Pollution Expert for the Region and is a technical expert for Region 5’s Midwest Clean Diesel Initiative assisting states in the implementation of voluntary diesel retrofit projects.

## Mike Bowers

Assistant Fleet Maintenance Manager and Clean Air Program Manager, Cleveland Municipal School District  
3832 Ridge Road  
Cleveland, OH 41444  
216.634.7013  
Mike Bowers is a 23 year veteran in the maintenance field. He holds a triple master certification with ASE, and has been with the Cleveland Municipal School District since 1999.

## Paul Bubbosh

National Idle Reduction Program Manager, US EPA  
202.343.9322  
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## Frank Burkett

Air Quality Specialist, Ohio Division Federal Highway Administration  
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614.280.6838  
Frank.Burkett@fhwa.dot.gov  
Frank will discuss the federal Congestion Mitigation & Air Quality Improvement Program (CMAQ)- The CMAQ program provides federal transportation funds to support state and local development and implementation of innovative projects that reduce transportation- related air pollution.

## Shawn Dawson

Fleet Manager - Westerville City Schools  
125 E. Walnut St.  
Westerville, OH 43081  
614.797.5950

From 1993-2000 Shawn served as a technician, customer care advisor and shop foreman for Cummins Interstate Power, Inc. Since August 2000 Shawn has worked for the Westerville City School District. He manages a fleet of 7 mechanics, 126 buses and over 40 district vehicles. Westerville is the 8th largest school district in the State of Ohio and their buses travel approximately 1.5 million miles annually and transporting over 9,000 students daily.

## Mark Hagadorn

Styline Transportation  
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## Clayton King

19913 CR 3  
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Clayton King has been an independent businessman for 22+ years. 10 years ago, he discovered natural gas, and was so impressed with the potential of the fuel that he has since shifted his entire fleet and business strategy to use CNG. He runs a fleet of CNG-powered trucks, owns three CNG filling stations, and is currently working on a new facility in Newark, Ohio where he will offer a CNG fueling station as well as a shop for servicing CNG engines and installing CNG conversion kits.

## Joe Koncelik

Director, Ohio Environmental Protection Agency  
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## Glenn Luksik

Ohio EPA  
Manager, Mobile Sources Section  
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Glenn Luksik is Section Manager for the Mobile Sources Section in the Division of Air Pollution Control. He is responsible for administering the E-Check program in the four metro areas of Cleveland, Akron, Cincinnati and Dayton. Two million vehicles are tested yearly with a total fleet size of four million.



### David Lynch

Sales Manager  
Cummins Westport Inc.  
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812.377.3902

Mr. Lynch is the Sales Manager of Cummins Westport Inc. He is a veteran of 39 years in the diesel and natural gas engine business for medium and heavy duty trucks. He holds Undergraduate and Graduate degrees in Marketing and Finance from the University of Michigan.

### Julie K. Magee

Environmental Protection Specialist  
USEPA, Region 5  
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Julie Magee has over 15 years of experience in the Agency implementing voluntary programs including USEPA, Region 5's Indoor Air Quality, Climate Change and Energy programs. She is currently coordinating the Midwest Clean Diesel Initiative, a public-private partnership to accelerate diesel emission reductions in the Midwest.

### Staci Putney McLennan

Director of Clean Air Programs,  
Ohio Environmental Council  
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Staci Putney McLennan is responsible for coordinating the clean air and energy programs at OEC with specific emphasis on the diesel clean-up campaign. Staci serves on air and policy committees with the Mid-Ohio Regional Planning Commission and the Ohio Asthma Coalition advocating clean air solutions for Ohioans.

### Robert J. Schaefer

Regulatory Issues Manager, BP Global Fuels Technology  
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Robert Schaefer is the Regulatory Issues Manager for BP, and is responsible for BP's implementation of, and compliance with, various regulatory requirements for fuels. His responsibilities include the federal, state and local level.

### Mark Shanahan

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### Sam Spofforth

Executive Director, Clean Fuels Ohio  
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Sam Spofforth is Executive Director of Clean Fuels Ohio (formerly Central Ohio Clean Fuels Coalition) and was instrumental in its founding in January 2002. Sam has nearly 20 years of management experience within non-profit organizations and government – mostly in fields related to health, environment, and transportation energy. He was awarded Midwest Region Clean Cities Coordinator of the Year in May of 2004 by the U.S. Department of Energy.

### Carolyn Watkins

Chief, Office of Environmental Education, Ohio EPA  
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As Chief of Ohio EPA's Office of Environmental Education, Carolyn Watkins oversees a grant program that provides \$1 million annually to fund education projects in schools and universities, and efforts to educate the general public and the regulated community about environmental concerns.

### Mike Young

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Mike Young has been with the University of Toledo for last 8 years as Manager of Grounds and MVO (Motor Vehicle Operations). He manages the transit operations and maintenance of parking areas.



## CONFERENCE COMMITTEE:



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